

MAGNETIC RECORDING DISK DRIVE AND METHOD FOR ENSURING MAGNETIC RECORDING FUNCTION THEREOF

ABSTRACT OF THE DISCLOSURE

A magnetic recording disk drive having an interline crosstalk amplitude detection unit 36 within its preamplifier 20 is provided. The detection unit 36 is used for detection coil malfunctions. The interline crosstalk amplitude detection circuit 31 which is branched from a branch circuit 30 within the read circuit in the preamplifier 20. The interline crosstalk amplitude detection unit 36 is provided with the capability to determine occurrence of a write condition abnormality when the amplitude has exceeded a threshold value, making it possible to ensure the recording function of the preamplifier 20. Likewise, the inductance is reduced when a circulatory shunt has occurred in a line near the head, making it possible to detect a write condition abnormality.

(FIG. 11)

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